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| 10/061,953 | 02/02/2002 | Thomas E. Hamilton | 09266.0007 | 8769 |

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| EXAMINER |
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JONES, PRENELL P

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| ART UNIT | PAPER NUMBER |
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2668

DATE MAILED: 12/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|--------------------------------------|--|--|
| Office Action Summary | Application No. 10/061,953 | Applicant(s) HAMILTON ET AL. | |
| | Examiner Prenell P. Jones | Art Unit 2668 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 February 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-77 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15, 26, 27, 29, 31, 34-36, 46, 49-68, 71 and 74-77 is/are rejected.
- 7) ☐ Claim(s) 16-25, 28, 30, 32, 33, 37-45, 47, 48, 69, 70, 72 and 73 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>9/29/03</u> . | 6) <input type="checkbox"/> Other: _____ |

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

2. Claims 8-11, 26, 49-58, 62 and 63 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 8, in line 1-2, Applicant is claiming "configuring a plurality of operators ***of services on the node***," which is not clear to Examiner as to exact what Applicant is claiming. Claims 9-11 depend on claim 8.

Regarding claim 26, in line 2, Applicant is claiming "specifying a ***regular*** expression," which is unclear to Examiner as to what Applicant is claiming. The term "regular" is indefinite.

Regarding claim 49, in line 5, Applicant is claiming "detecting service interactions ***in the data communication each associated with a particular user*** of the service," which is not clear to Examiner as to exactly what Applicant is claiming. Examiner questions, what is "each associated" referring to? Claims 50-58 depend on claim 49; therefore, claims 50-58 are rejected for the same reason that claim 49 is rejected.

Regarding claim 62, in line 5, Applicant is claiming "the device," which is unclear to Examiner as to exactly what Applicant is claiming. Examiner questions what device is Applicant referring to?

3. Claim 62 recites the limitation "the device" in line 5. There is insufficient antecedent basis for this limitation in the claim. Claim 63 depends on claim 62.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-7, 12-15, 27, 29, 31, 34-36, 46, 59-61, 64, 74, 75 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tenhunen et al (PG PUB US 2004/0068533) in view of and Tuunanen et al (PG PUB US 2002/0048359).

Regarding claims 1, 2, 6, 27, 29, 31, 46, 59 and 61, Tenhunen discloses transmission of service data wherein the provisioning of various services is implemented in a provisioning architecture, a network node providing intelligent access for service data/data passing through a node (paragraph 0006), implementation of third/second generation mobile as associated in a mobile telecommunication system, detection points are utilized as an management tool for data services/events, (paragraph 0010, 0018-0025, 0032-0034). Tenhunen is silent on monitoring communication to identify matches and service logic. In a communication system wherein provisioning services is implemented, Tuunanen discloses providing service to multiple users via enhanced intelligent network service wherein the architecture includes a service control point that includes service logic, initiating detection points, detection point is defined by call state model, setting detection call events, call state associated with the detection point contributes to

the execution of service logic programs, service provisioning implemented in packet radio session/GPRS, identifying matches as associated with callee/detection point (Abstract, paragraph 0008-0013). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to be motivated to implement matching services as associated with detection points and the execution of service logic as taught by the teachings of Tuunanen's service provisioning environment with the teachings of Tenhunen for the purpose of further managing the transmission of service data as associated with provisioning services to multiple users.

Regarding claims 3-5, as indicated above, the combined teachings of Tenhunen and Tuunanen discloses a provisioning environment that accommodates various service platforms wherein detection points are determined and thereby utilized to assist in executing service logic. Tenhunen further discloses accommodating second generation mobile, third generation mobile and GPRS (paragraph 0019, 0021).

Regarding claim 7, as indicated above, Tenhunen and Tuunanen discloses a provisioning environment that accommodates various service platforms wherein detection points are determined and thereby utilized to assist in executing service logic. Tuunanen further discloses processing data from a fixed or mobile network (paragraph 0004). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to be motivated to implement processing data from a fixed network as taught by Tuunanen with the teachings of Tenhunen for the purpose of further accommodating various service platforms.

Regarding claims 12, 13, 34, 35 and 60, as indicated above, Tenhunen and Tuunanen discloses a provisioning environment that accommodates various service platforms wherein detection points are determined and thereby utilized to assist in executing service logic. Tenhunen is silent on receiving a specification/policy for configuring detection point and receiving configuration information from an external server. However, Tuunanen further disclose call state model for meeting specific conditions for configuring detection point and conditions received from an external server (paragraph 0005, 0022, 0023). Therefore, it would have been obvious to one of ordinary skill to implement rules/specification for configuring detection point for the purpose of further managing the provisioning of service among users in a communication system.

Regarding claims 14, 15 and 64, as indicated above, Tenhunen and Tuunanen discloses a provisioning environment that accommodates various service platforms wherein detection points are determined and thereby utilized to assist in executing service logic. Tenhunen further discloses packet data and IP data communication (paragraph 0021).

Regarding claims 74 and 75, as indicated above, Tenhunen and Tuunanen discloses a provisioning environment that accommodates various service platforms wherein detection points are determined and thereby utilized to assist in executing service logic. Tenhunen further discloses utilizing H.323 and SIP (Fig. 5, paragraph 0021, 0060) data communication protocols (paragraph 0021).

3. Claims 65, 66, 67, 68, 71, 73 and 76 are rejected under 35 U.S.C. 103(a) as being unpatentable over * Tenhunen et al (PG PUB US 2004/0068533) in view of Tuunanen et al (PG

PUB US 2002/0048359) as applied to claims 1-7, 12-15, 27, 29, 31, 34-36, 46, 59-61, 64, 67, 74 and 75 above, and further in view of Elliott et al (PG PUB US 20040022237).

Regarding claims 65, 66, 67, 68, 71, 73 and 76, as indicated above, Tenhunen and Tuunanen discloses a provisioning environment that accommodates various service platforms wherein detection points are determined and thereby utilized to assist in executing service logic. However, Tenhunen and Tuunanen are silent on TCP, UDP and FTP protocol. In a communication system providing value added service as associated in a SIP environment, discloses utilizing multi-session communication and making use of TCP, UDP, FTP, SMPT, RTP, HTTP and MGCP (paragraphs 0028, 0029, 0273, 0554, 0581, 0684, 0726, 0757 and 2130). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to be motivated to implement utilizing TCP, UDP, FTP, SMPT, RTP, HTTP and MGCP as taught by Elliott with the combined teachings of Tenhunen and Tuunanen for the purpose of further accommodating users with additional service protocols in a multi-media provisional service environment.

Allowable Subject Matter

4. Claims 16-25, 28, 30, 32, 33, 37-45, 47, 48, 69, 70, 72 and 77 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

5. The following is a statement of reasons for the indication of allowable subject matter: Although the combined prior art discloses a provisioning environment that accommodates various service platforms wherein detection points are determined and thereby utilized to assist in executing service logic, they fail to teach or suggest w/r to claims 16-25, configuring the detection point includes specifying characteristics at one or more protocol layers, w/r to claim

28, suspending communication associated with matched detection point, w/r to claim 30, redirecting communication, w/r to 32 and 33, filtering communication that includes blocking data packets as associated with address identified in packets, w/r to claim 37-45, identifying metering characteristics of communication for service interaction, detecting service interactions, and recording metering information for detected service interactions, w/r to claim 47 and 48, suspending communication session and then passing data for session according to received information, w/r to claim 69, Internet message access protocol, w/r to claim 70, post office protocol, w/r to claim 72, real-time streaming protocol, and w/r to claim 77, diameter base protocol.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prenell P. Jones whose telephone number is 571-272-3180. The examiner can normally be reached on 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on 571-272-3042. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

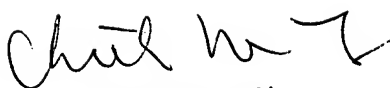
Prenell P. Jones

December 10, 2005



Application/Control Number: 10/061,953
Art Unit: 2668

Page 8


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SUPERVISORY PATENT EXAMINER